



Undersøgelse af mulighederne for anvendelse af open source Integrated Library Systems (ILS) i universitetsbiblioteket

DEFF Afrapportering

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Test af Koha og Kuali OLE



Undersøgelse af mulighederne for anvendelse af open source Integrated Library Systems (ILS) i universitetsbiblioteket

Overordnet projektbeskrivelse

Systemlandskabet for materialer håndteret i klassiske bibliotekssystemer (Integrated Library Systems - ILS) er i forandring. Indenfor det seneste årti er der dukket flere Open Source baserede løsninger frem.

Nogle biblioteker har højt tempo i disse forandringer og andre lidt lavere - men forandringerne er drevet af ændrede behov hos brugerne, øget digitalt indhold og nye ønsker til integration i andre løsninger (typisk integrated search o.lign.)

I denne forandrede virkelighed er systembehovene helt anderledes og meget mindre. Det er blevet realistisk, at små åbne systemer til egen lokal drift (eller hosting hos mindre organisationer) for nogle biblioteker kan være - eller vil blive - en rentabel måde at løfte bibliotekets systemunderstøttelse af trykte materialer på.

Dette DEFF finansierede projekt har til formål, at to biblioteker (med lidt afvigende profil) gennemfører test af konkrete Open Source baserede ILS systemer, formidler resultaterne til FFU-bibliotekerne og deres interessenter, og herved bidrager til en nuancering af beslutningsprocesserne i de kommende år omkring ILS i det danske bibliotekslandskab.

De to deltagende biblioteker

SDUB: Symphony/SirsiDynix - ILS in current development, OPAC, API and web services, close relations, active user community. Administration and local development is done by system librarians. No technical staff at the library. Servers are maintained by IT-service SDU.
Summon/Proquest: Local setup by library staff and system librarian.

DTU Library: Aleph/ ExLibris. DTU Findit user interface developed in Ruby on Rails (via Project Blacklight.org), by local DTU system librarians and programers. Aleph is hosted at The Royal Library.
DTU Findit is run on local servers maintained by DTU Library.

Konkret tester dette DEFF-projekt to Open Source bibliotekssystemer: Kuali OLE og Koha.

Testen tager form som virkelighedstro prototype tests, hvor der til de deltagende biblioteker indrettes så virkelighedstro og live prototyper som muligt, som derefter funktionstestes og evalueres.

DEff

What is Koha?
IntegratedLibrarySystem
Opensource

Core modules:
Acquisition Patrons
Cataloging Reports
Circulation Serials

Crowdfunding
"There seems to be general agreement that by now, Koha could do with some big, boring improvements. There is also agreement that no library will probably ever be crazy enough to fund something like this." ~ Koha wiki

Technical components
Code base in Perl, also with some Javascript, JQuery, XSLT etc.
SQL database (MySQL preferred but others like MariaDBalso work)
Cataloging data stored in Marc21-format
Zebra as the (indexing) search engine; support for Elastic Search in development

<http://koha-community.org/>

Diverse international community
Different languages, cultures, timezones

Libraries of all types and sizes

Transparency Not only open source, but also open discussion and decision making

Directed by libraries in the community

Online	In Person
IRC Chat #koha	KohaCon
Mailing lists	Koha Hackfests
Newsletter	Koha User Groups
Twitter #kohails	Other regional events
Blogs	

KohaCon¹⁵
OPEN SOURCE INTEGRATED LIBRARY SYSTEM
Ibadan, Nigeria
October 19 - 21

Live since August 2014

"Next Generation System"?
Web- and cloud-based concept
Modular design
Open APIs
Integration on enterprise level
Back end system: acquisitions, cataloguing, circulation
Integrated management for electronic resources (ERM)
Front end integration of discovery services, e.g. VuFind, DigiBib, EDS (EBSCO)

Functional Concept
4 connected modules
Missing functionality can be developed and added at any time
Open code and technical architecture
Based on Kual enterprise architecture

Technical components
Hardware: Kual OLE can be built on both windows and linux platforms.
Building application: Maven 3, Java 7, svn client
Running application: Apache tomcat 6/7, MySQL 5.5 or greater, or Oracle 11g

<http://www.kuali.org/>

Kuali Foundation
Develop and maintain open source administrative software for higher education
Non-profit 501(c)3 organization
Community organization
Membership fees
Providing the infrastructure for the development of open source software for higher education

Partner of the OLE project
Human resources (e.g. 1 FTE for project management)
Membership in Functional and Technical Council
Membership in SME (special matter expert) groups
OLE project partner fee depends on the institution's budget per year

Internationale erfaringer

Commercial ILS providers seem unwilling to sell exactly what some libraries want. When they fail to understand and respect special needs, libraries look to open source solutions. In Germany, Sweden and United Kingdom outdated or dissatisfactory ILS have inspired some libraries to develop locally and become master in their own libraries.

Sponsored by DEFF a two-day Master Class was held in August wiht speakers from Libraries (SOAS, UK at Kuali OLE; SUB, Sweden planning for Koha) and solution providers (BSZ-SWB, Germany 19 libraries at Koha; hbz-VZG, Germany planning for Kuali OLE). Paritcipants from most Danish Research Libraries participated into the Master Class.



Hvad er så resultaterne?
Kom til Workshop 16. december på SDUB i Odense

Læs mere på: www.sdu.dk/Bibliotek/Aktiviteter/ILS



DEff Danmarks Elektroniske Fag- og Forskningsbibliotek